

3119



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RAW SEQUENCE LISTING

DATE: 03/06/2002 P.6

PATENT APPLICATION: US/09/927,811A

TIME: 10:19:49

Input Set : A:\pto.vsk.txt

Output Set: N:\CRF3\03062002\I927811A.raw

3 <110> APPLICANT: RheinBiotech Gesellschaft fur neue biotechnologische Prozesse und
 4 Produkte mbH
 5 Romano, Ivano
 6 Gellissen, Gerd
 7 DeVergilio, Claudio
 9 <120> TITLE OF INVENTION: Heat-Inducible Promoter
 11 <130> FILE REFERENCE: PCT1106-01966
 13 <140> CURRENT APPLICATION NUMBER: 09/927,811A
 C--> 14 <141> CURRENT FILING DATE: 2002-02-22
 16 <150> PRIOR APPLICATION NUMBER: PCT/EP00/01144
 17 <151> PRIOR FILING DATE: 2000-02-11
 19 <160> NUMBER OF SEQ ID NOS: 27
 21 <170> SOFTWARE: PatentIn version 3.1
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 24 <211> LENGTH: 792
 25 <212> TYPE: DNA
 26 <213> ORGANISM: Hansenula polymorpha
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 33 tctatgtgag gcagtcacga tagaattcca tcgaactcgt cagcgccaaa tgtgaatgcg 180
 35 gctttcaaaa gctttgtcga atttgggatg ggaatccatg aatcgaagat gtcaaaatgg 240
 37 gggatcacaa aagtacactc acgaggaaaa tcaaaacctt ctcgtacctt taacacatac 300
 39 ggaaatgata gatcgatttg agaagattcc tcaatgattt tcgtcatata taggtatctg 360
 41 aggtatttat ggaccgattc gtaataacat catatacatc gcgctttgtc cctgtcccag 420
 43 agatttcgat gaaaaaagcg aattttattc taatatttga agcatgccaa acatggggca 480
 45 gttgatttgt gtgagggtaa aatatcatga attgcaccca tcaaatgcag caagatatgg 540
 47 accaatccta taatagaaaa cagacttacc acaaatagat tgtgatgacg atattatgaa 600
 49 tctccagatg aaaggctcga aagctatgaa gcctcttgaa acttttcatg gtgagataat 660
 51 attttcgaaa tttccacgaa cttctaaaac gcaattattg aatataaagg aaaaataata 720
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 67 <221> NAME/KEY: misc_feature
 68 <222> LOCATION: (1)..(15)
 69 <223> OTHER INFORMATION: n may be a,c,t, or g
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87 <223> OTHER INFORMATION: n is a, c, t, or g; b is g, c, or t; w is a or t; and m is c
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128 acggcattac aagggctcaa aaatccattt cgatgggttg gatggcctgg gatgtctgtt 180
130 gatagcgaac agggacgaca aactgtcgag cgggatttga aggaaaagt caattgttat 240
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138 gacgttatct ggggtacatga ttatcatctc atgttggtgc cttcactgct aagagaccaa 480
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146 agaattattga aattgcgaac gagcccaaaa ggtgttgtct ataattgatg acaggtgact 720
148 gtaagtgtt atccgattgg cattgacgtt gacaaattct tgaatgttct taagactgat 780
150 gaggtcaaaa gcaggataaa acagctggaa accagatttg gtaaagattg taaacttatt 840
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158 ggaagaatca atggttagatt tggtagcgtc gaatttggtc ctatccattt ccttcataaa 1080
160 agcgtgaact tccaagagct gatatctgtc tacgctgcta gtgatgtttg tgtagtgta 1140
162 tcgacacggg acggaatgaa tttggtcagt tatgaatata ttgcttgta acaagatcga 1200
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174 catcaatagg ataaaaatta agtagacaaa gttatcattt tgttgggctg taaaaattga 1560
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182 caaggataca ggttgaccat ggaagacgcg ttctgtgatt tgaacgaaag aatattcgtg 1800
184 acggaagagg gacttgacat cagaaaacaa gacgagaata cagaggggtga tctggagtct 1860
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201 20 25 30
204 Thr Met Ser Ser Gly Gly Leu Val Thr Ala Leu Gln Gly Leu Lys Asn
205 35 40 45
208 Pro Phe Arg Trp Phe Gly Trp Pro Gly Met Ser Val Asp Ser Glu Gln
209 50 55 60
212 Gly Arg Gln Thr Val Glu Arg Asp Leu Lys Glu Lys Phe Asn Cys Tyr
213 65 70 75 80
216 Pro Ile Trp Leu Ser Asp Glu Ile Ala Asp Leu His Tyr Asn Gly Phe
217 85 90 95
220 Ser Asn Ser Ile Leu Trp Pro Leu Phe His Tyr His Pro Gly Glu Met
221 100 105 110
224 Asn Phe Asp Glu Ile Ala Trp Ala Ala Tyr Leu Glu Ala Asn Lys Leu
225 115 120 125
228 Phe Cys Gln Thr Ile Leu Lys Glu Ile Lys Asp Gly Asp Val Ile Trp
229 130 135 140
232 Val His Asp Tyr His Leu Met Leu Leu Pro Ser Leu Leu Arg Asp Gln
233 145 150 155 160
236 Leu Asn Ser Lys Gly Leu Pro Asn Val Lys Ile Gly Phe Phe Leu His
237 165 170 175
240 Thr Pro Phe Pro Ser Ser Glu Ile Tyr Arg Ile Leu Pro Val Arg Lys
241 180 185 190
244 Glu Ile Leu Glu Gly Val Leu Ser Cys Asp Leu Ile Gly Phe His Thr
245 195 200 205
248 Tyr Asp Tyr Val Arg His Phe Leu Ser Ser Val Glu Arg Ile Leu Lys

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257      245      250      255
260 Leu Lys Thr Asp Glu Val Lys Ser Arg Ile Lys Gln Leu Glu Thr Arg
261      260      265      270
264 Phe Gly Lys Asp Cys Lys Leu Ile Ile Gly Val Asp Arg Leu Asp Tyr
265      275      280      285
268 Ile Lys Gly Val Pro Gln Lys Leu His Ala Phe Glu Ile Phe Leu Glu
269      290      295      300
272 Arg His Pro Glu Trp Ile Gly Lys Val Val Leu Ile Gln Val Ala Val
273 305      310      315      320
276 Pro Ser Arg Gly Asp Val Glu Glu Tyr Gln Ser Leu Arg Ala Ala Val
277      325      330      335
280 Asn Glu Leu Val Gly Arg Ile Asn Gly Arg Phe Gly Thr Val Glu Phe
281      340      345      350
284 Val Pro Ile His Phe Leu His Lys Ser Val Asn Phe Gln Glu Leu Ile
285      355      360      365
288 Ser Val Tyr Ala Ala Ser Asp Val Cys Val Val Ser Ser Thr Arg Asp
289      370      375      380
292 Gly Met Asn Leu Val Ser Tyr Glu Tyr Ile Ala Cys Gln Gln Asp Arg
293 385      390      395      400
296 Lys Gly Ser Leu Val Leu Ser Glu Phe Ala Gly Ala Ala Gln Ser Leu
297      405      410      415
300 Asn Gly Ala Leu Val Val Asn Pro Trp Asn Thr Glu Glu Leu Ser Glu
301      420      425      430
304 Ala Ile Tyr Glu Gly Leu Ile Met Ser Glu Glu Lys Arg Arg Gly Asn
305      435      440      445
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326 tctatgtgag gcagtcacga tagaattcca tcgaactcgt cagcgccaaa tgtgaatgcg 180
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338 gttgatttgt gtgagggtaa aatatcatga attgcaccca tcaaatgcag caagatatgt 540
340 accaatccta taatagaaaa cagacttacc acaaatagat tgtgatgacg atattatgaa 600
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Input Set : A:\pto.vsk.txt

Output Set: N:\CRF3\03062002\I927811A.raw

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348 catttgatac caatggtcaa aggtaatgtt atagtggttt caaatagaat cccagtact 840
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352 ggcggattag tgacggcatt acaagggctc aaaaatccat ttcgatgggt tggatggcct 960
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358 agcaattcta tactttggcc attgttccac tatcaccag gggagatgaa ttttgatgaa 1140
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423 <222> LOCATION: (1)..(26)
424 <223> OTHER INFORMATION: n is an a, c, t, or g; v is an a, c, or g; y is a c or t;
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428 <221> NAME/KEY: misc_feature
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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/927,811A

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Input Set : A:\pto.vsk.txt
Output Set: N:\CRF3\03062002\I927811A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 1,5,6,7,8,9,10,11,15
Seq#:3; N Pos. 1,5,6,10,11,15
Seq#:9; N Pos. 9

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/927,811A

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L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:73 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:91 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:434 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0